



# NAVAL OCEANOGRAPHIC OFFICE

<https://www.navo.navy.mil>

***Mission: We maximize America's Sea Power by applying relevant oceanographic knowledge across the full spectrum of warfare.***

The Naval Oceanographic Office (NAVOCEANO), the largest subordinate command within Commander, Naval Meteorology and Oceanography Command, is responsible for providing oceanographic products and services to all elements of the Department of Defense. NAVOCEANO is located at John C. Stennis Space Center in south Mississippi.

## **Resources**

NAVOCEANO uses a variety of platforms, including ships, aircraft, satellite sensors and buoys to collect oceanographic and hydrographic data from the world's oceans. These data are then analyzed and utilized in products that support the warfighter.

NAVOCEANO currently has technical control of six multipurpose survey ships, the USNS BOWDITCH, USNS BRUCE C. HEEZEN, USNS HENSON, USNS PATHFINDER, USNS MARY SEARS and USNS SUMNER and one hydrographic ship, the USNS JOHN MCDONNELL. All are operated by the Military Sealift Command. These ships conduct hydrographic, acoustic, oceanographic, bathymetric, and gravity survey operations and are considered the ultimate answer to data collection for littoral warfare support.

## **Fleet Survey Team**

The Fleet Survey Team is a rapid-response military team with capabilities to conduct hydrographic surveys within two to three days. The team can perform quick-turnaround surveys anywhere in the world to provide timely products to the warfighter. The on-scene data collected and processed by the team provide the Navy with the best possible graphic depiction of potential hazards to navigation.

## **Warfighting Support Center**

The Warfighting Support Center provides analyses and characterizations of the littoral (coastal) and riverine battlespace for expeditionary and special forces worldwide. Services include imagery analysis and explanation, text and graphical environmental summary reports and delivery of geospatial products through Web-based systems.

## **Major Shared Resource Center**

NAVOCEANO provides an array of products and services to support joint warfighters in all mission areas and is backed by one of the world's largest supercomputing

centers. The Major Shared Resource Center has an aggregate computational capacity exceeding 10 trillion mathematical operations per second, supplemented with some of the world's most advanced data storage, networking and data visualization capabilities.

## **Matthew Fontaine Maury Oceanographic Library**

With more than 400,000 volumes of information, NAVOCEANO's Maury Library contains the world's foremost military collection of physical oceanography materials. From modern media to handwritten 18th century ships' logs, the library is noted for its technical diversity and is a valuable resource for scientists in government, academia and private industry.

## **Education Programs**

Sea Scholars provides teachers with first-hand oceanography experience aboard a U.S. Navy oceanographic survey ship.

OCEANS ALIVE provides students with field trips aboard Naval oceanographic survey ships to encourage them to pursue careers in oceanography.

PEP Students in Science provides local schools and educational organizations with science- and math-related education resources, including handouts, classroom speakers and science fair judges.

## **Speakers Bureau**

NAVOCEANO personnel serve as speakers for area professional and civic organizations on a variety of topics, including oceanography, engineering, bathymetry, hydrographic survey operations, remote sensing techniques, acoustics and Command programs and activities.

## **Demographics**

- Personnel: Approximately 1,100 military, civilians and contractors.
- Highly educated workforce: 4% doctorates, 19% master's, 45% bachelor's, 12% associates, 9% some college, 8% high school diploma, 3% other.
- Professional background: 63% scientific and engineering, 13% professional, 13% technical, 5% clerical, 4% military, 2% other.
- Residency: 74% Mississippi, 25% Louisiana, 1% other.

*For more information, please contact NAVOCEANO Public Affairs at 228.688.5649 or visit <https://www.navo.navy.mil>.*